

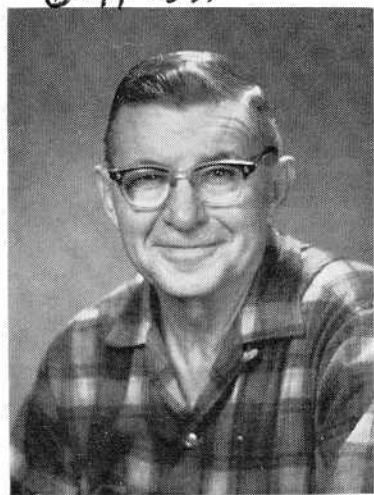


**as old as time...**

**...as new as tomorrow**

## Charlie Viar, General Machine Shop, Is 1963's Final Retiree; 20-Year Veteran

A 20-year veteran Carbider becomes 1963's final retiree and the 30th thus far this year. He also becomes the 142nd to retire since Union Carbide Corporation began operations here in 1947.



Charlie Viar

Roane County born Charlie Viar came to Y-12 November 27, 1943. Prior to his employment here he had been with the Tennessee Valley Authority in Norris, Chattanooga, Jefferson City and Lenoir City. Prior to his TVA days, he worked in the mines with the Roane Iron Company, Rockwood.

He served in France with the United States Army during World War I.

Married to the former Bennie Ruth Marshall, Viar lives at 704 West Outer Drive, Oak Ridge. They have one son, Charlie L. Viar, who lives in Clinton, and works at Oak Ridge National Laboratory. They have two grandchildren also.

The retiree is a member of the American Legion and the Knights of Pythias.

### Party Held Thursday

General Machine Shop employees in Viar's shop gathered Thursday, December 19 for a testimonial party. They presented the retiring Viar with two fishing tackle boxes (a large and small one), a rod and reel, plugs, bait, etc., and a wrist watch. "We really fixed him up for fishing," a fellow employee stated.

Viar plans to remain in Oak Ridge, for the present, at least. He has no immediate plans for retirement.

### In Retirement Plan

The retiree has more than the necessary 10 years company service credit to qualify for benefits under the Carbide Pension Plan, and is enrolled also in the voluntary Retirement Plan.

He takes with him the best wishes for a long and successfully happy retirement from each fellow employee.

## New Car This Year?

You don't have to buy a new car every year. If you drive careless enough the one you have now could easily last a lifetime!



RECENT DOLLAR AWARD patent applications went to Ambrose Ballard and Rudy Hendricks for the joint development, "High Temperature Isostatic Pressing." Harvey T. Kite, Ceramics and Plastics, made the award in the Development Office.

## Tax Data Is A-Comin' Soon

"Tis the season to be jolly," and all that, so the following is offered with apologies. The Payroll Department advises that all employee W-2's will be mailed approximately January 8.

These all-important papers are filed with the income tax statements. Two copies are mailed to the employee . . . one for his own use and one to accompany his tax return.

(Savings plan statements, that is, taxable amounts of the savings plan, were given out at the time checks were issued last summer.)

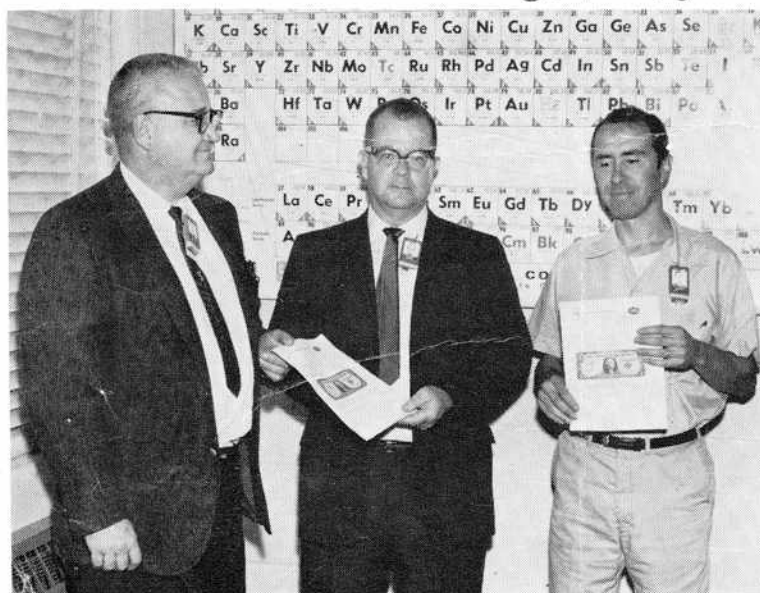
W-2's show the amount of total income earned for the past year . . . the amount of tax withheld and the social security payments made.

## Safe Driving Does It!

Teacher: "Johnny, make me a sentences with the word 'diadem' in it."

Johnny: "People who drive recklessly diadem sight quicker than those who drive with care."

6-11748



DEVELOPMENT SUPERINTENDENT W. K. Whitson presents dollar patent application awards to Paul Trent and Ralph Levey, for their joint development, "Method of Preparing Uranium Dioxide Fuel Compacts." The award was the ninth such award to go to the "inventing" Levey.

## Badge Swap Is Set Next Week

New blue-bordered badges (to match our blue noses) will go into the self-service racks at the portals on Tuesday, December 31 at 11 p.m. Employees reporting to work on January 2 (regular day shift) may pick up their badges then.

The exchange badges, which are turned back in at the end of every quarter, will remain for self-service until 11 p.m. Friday, January 10.

Y-12ers not exchanging their badges then because of illness, vacations, or any other reason, will have to pick his new badge up at the Badge and Pass Office. Old yellow-bordered badges will not be honored at the portals after 11 p.m. on January 10.

Let's get that new film badge swapped . . . start the New Year off right with the proper colored badge!

## It's Easy To Drive Too Close To Car Ahead

It's easy to get into the bad habit of following too closely the car ahead. If you're an average driver, tests show that you think you can stop your car in a much shorter distance than is actually possible. When the driver up ahead for some reason slows down suddenly, be sure that you have the time and space needed to prevent bumping into him. Allow at least one car length for every 10 miles of speed . . . more if the pavement is wet or if you are driving after dark.

## SAFETY SCOREBOARD

The Y-12 Plant Has Operated  
236 Days Or  
7,409,000 Man-Hours  
(Unofficial Estimate)  
Without A Disabling Injury  
Through December 21  
Phone 7755  
For Daily Report  
On Accident-Free Hours

## UT Graduate School Gives Winter Topics

The Graduate School of the University of Tennessee announces its Winter Quarter, 1964, courses.

The following will be offered:  
CHEMICAL ENGINEERING 562, Mass Transfer Operations.

CHEMISTRY 521, Instrumental Methods of Analysis.

CHEMISTRY 442, Inorganic Reactions and Structure.

MATHEMATICS 471, Mathematics for Physics and Modern Engineering.

MATHEMATICS 566, Introduction to Numerical Analysis.

METALLURGICAL ENGINEERING 452, The Interpretation of X-ray Diffraction Photographs.

METALLURGICAL ENGINEERING 562

PHYSICS 372, Elementary Modern Physics.

PHYSICS 462, Modern Physics and Solid States.

PHYSICS 471, Nuclear Radiation Detection.

PHYSICS 512, Theoretical Physics.

PHYSICS 522, Principles of Modern Physics.

PHYSICS 562, Mathematical Methods in Physics and Engineering.

PHYSICS 643, Nuclear Shell Theory.

CHEMICAL ENGINEERING 562, Differential Mass Transfer Operations.

CHEMISTRY 521, Instrumental Methods of Analysis.

CHEMISTRY 442, Physical Inorganic Chemistry.

MATHEMATICS 471, Vector Analysis.

MATHEMATICS 566, Numerical Methods.

METALLURGICAL ENGINEERING 452, X-Ray Diffraction and Crystallography.

METALLURGICAL ENGINEERING 562, Radiation Effects on Materials.

PHYSICS 372, Introduction to Atomic and Nuclear Physics.

PHYSICS 462, Gaseous and Solid States.

PHYSICS 471, Introduction to Radiation Physics.

PHYSICS 512, Introduction to Theoretical Physics.

PHYSICS 522, Advanced Modern Physics.

PHYSICS 562, Mathematical Methods in Physics.

PHYSICS 643, Advanced Topics in Quantum Theory.

Registration begins on Friday, January 3 . . . with classes beginning the next day, January 4. The quarter ends March 9, with examinations on March 16, and commencement on March 17.

Registrations are taken between 6 and 8 p.m. at the Oak Ridge Institute of Nuclear Studies Training Building, directly behind the Atomic Energy Commission's Administration Building.

Probable Spring Quarter courses will include: Chemical Engineering 581, Chemistry 522, 443, Mathematics 455, 599e, Metallurgical Engineering 563, and Physics 373, 463, 472, 513, 523, 563, and 643. Bacteriology 451, Filterable Viruses, and a new course, not in the catalog, Microbial Genetics may be offered also.

## Winter Is Easy — Ask The Secretaries

Secretaries, take heart! According to a Chicago survey you should be at your peak as far as efficiency is concerned. The study showed that stenographic errors increase by at least 1,000 per cent during the summer months. Who called it the "good old Summertime" anyway?

# The Bulletin

Published Weekly For The  
Y-12 Employees Of  
UNION CARBIDE  
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG Editor

Member Appalachian Industrial Editors' Association

OFFICE  
Post Office Box Y  
Oak Ridge, Tenn. 37831  
Bldg. 9704-2 Room 149  
Telephone 7109



Mr. and Mrs. Jerry Dale Allstun  
ALLSTUN-POLSTON

The wedding of Miss Nancy Gail Polston and Mr. Jerry Dale Allstun was solemnized Saturday, December 7, at the Woods Chapel Methodist Church, Harriman, Tennessee. The Reverend Henry Lenoir officiated at the 8 p.m. rites.

The bride is the daughter of Mr. and Mrs. Tasco Adam Polston, Harriman, and is employed in Y-12's Special Projects. She is a graduate of the University of Tennessee.

The groom is the son of Mr. and Mrs. Russell Arthur Allstun, Kingston. He is a graduate of the Tennessee Polytechnic Institute, Cookeville, and is employed in Y-12's Tool Engineering.

For her wedding the bride chose a gown with candelight satin skirt scattered throughout with white lace appliques, white lace bodice, short sleeves, and worn with long white gloves. The veil was finger-tip length and was held by a crown of seed pearls and lace. The bouquet consisted of white roses and centered by an orchid.

Mrs. Helen P. Brooks, sister of the bride, was matron of honor and Mrs. Nancy B. Wheeler attended the bride also. They both wore white satin bell shaped skirts.

Mr. Gordon Mason, Oliver Springs, was best man and Bob Crowder, Radford Norman, Kingston, and Troy Pugh, Rockwood, were ushers.

A reception honored the couple immediately after the wedding in the fellowship hall of the church.

The couple is at home in Kingston.



Happy Holidays to all Y-12ers and their families! This will be the Bulletin's final number for 1963 . . . our next paper will be dated January 8. Have a very Merry Christmas and a Happy New Year!

Vacations, holiday doings, etc. start in

## PROCESS ANALYSIS



Kurt W. Schenk

The latest addition to the Werner Schenk family is little Kurt W., born September 22, at the Oak Ridge Hospital. Werner and Janet live at 442 Robertsville Road. Here little Kurt plays on the bed.

When a man goes nuts over a girl, he has to start shelling out.

## INDUSTRIAL RELATIONS

Fire and Guardsmen vacationing in and around include H. L. Dickenson, H. W. Krouse, G. I. Davis, A. G. Hardwick, W. W. Hammer, J. A. Margrave, J. V. Ledbetter, L. W. LaRue, C. S. Scarbrough, E. R. Johnson, O. C. Beatty, A. D. Tucker and J. H. Hansard.

Best wishes to Sherley Honeycutt, ill at his LaFollette home. Welcome back to A. J. Ballinger and D. H. Patterson, who have both been off ill.

Busy souls have not time to be busy-bodies.

## MAINTENANCE



Lisa Jean Emmert

Way out in Sacramento little Lisa Jean Emmert put in her appearance November 15, weighing nine pounds, one-half ounces. Her parents are Bobby and Shelby Emmert. The proud grandpop is F. J. Kilpatrick, Y-12's Buildings, Grounds and Maintenance Shops. Her sis Lori was born back in April of 1959. (See the Bulletin a few years ago.)

## CHEMICAL OPERATIONS

June and Hudson Sherrill are going to Miami for a glorious three weeks vacation. If it's even cool there, they plan to head on to Nassau.

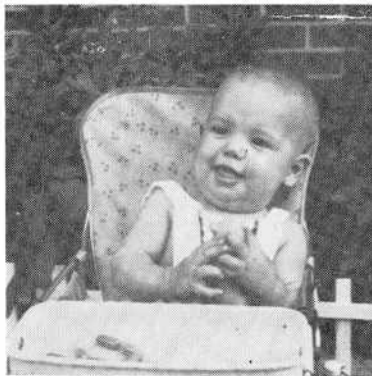
The Harrises, Liz and Fuz, expect sons Bob, New Orleans; and Tom, Huntsville, home for the holidays with their families.

Connie O'Neal recently had surgery at Oak Ridge Hospital . . . and best wishes go to her. Vacationers in Chemical include Sammy West, Dottie Brashers, May Humphrey, and Clifford Stiles . . . Ernie Laymoureaux, of course, had to vacation to try out his new auto.

Visiting his mother during the holidays in the Nashville area is Frank Sparkman.

You don't have to be a cannibal to get fed up with people!

## ENGINEERING



Kathy McNeil

David McNeil and his family will spend the holidays at home with papa L. W. McNeil, Tool Engineering. Here is little Kathy McNeil, 10-month's old 'apple of grand-pa's eye.' David is attending Medical School at Memphis.

The Morris Burketts welcomed a new arrival this month . . . Mary Ellen was born December 7, in Harriman Hospital. December 7 saw another new arrival, born to Paul Williams and his wife Bette. Little Paul Alva weighed in at six pounds, 12 and one-half ounces.

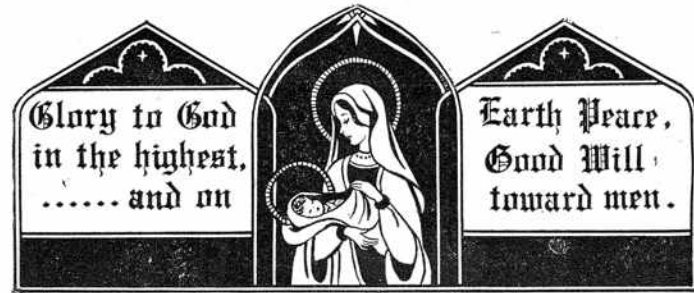
The magic day in Tool Engineering seems to be December 7 . . . at least for Dell Austin. He married Nancy Poston that day. (See details elsewhere.) Congratulations!

Christmas holidays find many Tool Engineering personnel vacationing around home finishing last minute shopping and finally relaxing by the hearth with their families to await the arrival of old St. Nick . . . among Oak Ridgers we find Floyd Hippshire, Carl St. Onge, Kirk Delcour, Ben Trent, Earl Smith, Tony Chilcoat, Ted Burger, Jimmy Lawrence, Jerry Williams, W. E. O'Dell Jr. and Jerry Foster.

Many Knoxvilleans are also on the vacation list . . . including Joe Howell, Tom Finger, Bill Myers, Nora Hurst, Lillian Higgins, C. P. Tudor, Bill Horner, Bob Hansard, Ross Goosie, John Hill and John Bennett.

Other folks are traveling near and far to be with their kith and kin . . . Mildred Lister is flying to Tifton, Georgia to be with her son and family for the holidays. Mildred's daughter and family will also join them there . . . J. E. Insell is traveling to Middle Tennessee and J. T. Shumpert is off to Tupelo, Mississippi . . . Another holiday traveler is Richard Gwaltney who will head to Durham, North Carolina.

Christmas will find Helen Long



## A Thrill Of Hope!

# Ancient Letter Gives Calm Strength For These Hectic Days

Long lay the world  
In sin and error pining  
'Til He appeared  
And the soul felt its worth . . .  
A thrill of hope . . .

And so the ancient carol goes . . . a thrill of hope. The Bulletin has selected as its Christmas message for 1963 the following letter written by an unknown person during the 16th century. Its calm strength and gentleness make it appropriate for all time.

"I am your friend," the letter goes, "and my love for you goes deep. There is nothing I can give you which you have not got; but there is much, very much, that,

and husband at the Gatlinburg Ski Lodge.

Other vacationers who will be staying close to the hearth these wintry days are J. L. Waters, Clinton; R. R. Spears, Concord; Hollis Stamey, and A. W. Petty Lenoir City; Frank Fuis and Joe Feeman, Norris; and Bob Crowder, Kingston.

The reading of a will is usually a matter of only relative importance.

## MECHANICAL OPERATIONS

It seems Christmas came early in Beta Four this year. All the wives are presenting husbands with new babies, it seems. G. E. Carden and L. P. Stevens are the latest recipients of such gifts. No details on either off-springs, but more is promised.

Alpha Five sends in the list of those taking off for the Merry Days. They are: T. D. Craig, F. Cox, J. A. Myers, T. A. Cagley, J. E. Devaney, V. Gamble, W. H. Foust and Dana Arnold.

In Beta Two it looks like Mary Ann Truitt will have a Merry Christmas what with a new sparkler on her left hand.



Barbara and Randy

These two cuties are the pride and joy at the B. R. Berrier family. The young lady is Barbara, aged nine and Randy, 18 months old. The happy children take their

Continued on Page 4

while I cannot give it, you can take. No heaven can come to us unless our hearts find rest in today. Take Heaven! No place lies in the future which is not hidden in the present little instant. Take Peace!

The gloom of the world is but a shadow. Behind it yet within our reach, is Joy. There is radiance and glory in the darkness, could we but see—and to see we have only to look. I beseech you to look.

Life is so generous a giver, but we, judging its gifts by their covering, cast them away as ugly or heavy or hard. Remove the covering and you will find beneath it a live splendour, woven of love, by wisdom, with power. Welcome it, grasp it, and you touch the Angel's hand that brings it to you. Everything we call a trial, a sorrow, or a duty, believe me, that Angel's hand is there; the gift is there, and the wonder of an overshadowing Presence. Our joys too; be not content with them as Joys. They, too, conceal diviner gifts.

Life is so full of Meaning and Purpose, so full of Beauty — beneath its covering — that you will find earth but cloaks your heaven. Courage then to claim it; that is all! But courage you have; and the knowledge that we are pilgrims together, wending, through unknown country, home. And so, at this Christmas time, I greet you. Not quite as the world sends greetings, but with profound esteem and with the prayer that for you now and forever, the day breaks, and the shadows flee away."

A weary world rejoices!  
For yonder breaks  
A new and glorious morning!



Riders wanted from vicinity of Bradley Avenue, Robertsville Road and Louisiana Avenue section, Oak Ridge, to West and Bear Creek Portals, straight day. J. K. Raper, plant phone 7-8814, home phone Oak Ridge 483-5786.

Two car pool members wanted from Cedar Lane, Fountain City vicinity, Knoxville, to North Portal, straight day. W. Chandler, plant phone 7-8921, home phone Knoxville 687-1527.

Ride wanted from North Purdue, Oak Ridge, to West Portal, D Shift. F. J. Marshall, plant phone 7-8068.

Will join car pool from vicinity of Heiskell Station to Central Portal, A Shift. J. B. Quinn, plant phone 7272, home phone Powell 947-7987.

Security consciousness is part of every Y-12er's job duties.



THE TECHNICAL DIVISION'S dance was a howling success! A little cozy on the dance floor, perhaps, but if you lost your partner, you didn't have to look far to find another! The success of the dance started with the enthusiastic support of the division superintendent,



George Strasser, was carried on to the 50 yard line by a hard-working dance committee, on to the 10 by the people who bought tickets in advance and over the goal-line and almost into the stands by others who turned out to buy tickets at the door. The party was



held Saturday, December 14, at the Holiday Inn. Breakfast climaxed the happy twisting contesting, jollifying and happy talk. (Mary Ann Wright should be included in the list of dance committee members!) "Jam-packed" was one word for the party.



DAISY WARD GREETED L. T. AND ALYNNE MURPHY at Technical Services' big, big Christmas dance, held December 14 at the Holiday Inn. At the right, framed in the hat-check window, are the Raders and Hibbses, as they entered the holiday crowd. ("We oversold, over-advertised, and over-worked our dance," some of them said, "but we sure enjoyed it all!")



## Y-12 Milestones

In and around the holidays, many Y-12ers observe important milestones with Union Carbide Corporation. Congratulations to each of the following:

### 20 YEARS

**Asa T. Gentry**, SS Control, December 27.  
**Claude H. Walker**, Stores Department, December 27.  
**Wiley Cook**, Area Five Maintenance, December 28.  
**Howard M. Burnett**, ORNL Chemical Services, December 29.  
**Lorenza D. Brown**, Production Analysis, January 1.  
**Beecher M. Cox**, Electrical, January 1.  
**Harold M. Payne**, Mechanical Inspection, January 3.  
**Cecil C. Butler**, Fire Department, January 3.  
**William N. Jennings**, Project Engineering, January 3.  
**Charlie J. Mitchell**, Area Five Maintenance, January 4.  
**Joe H. Hackney**, Product Processing, January 4.  
**Victor Defenderfer**, Chemical, January 4.  
**Harold D. Duncan**, Project Engineering, January 5.  
**Bertha L. Jones**, Janitors' Department, January 5.  
**Raymond E. Mellon**, Buildings, Grounds and Maintenance Shops, January 5.  
**Bruce T. Whittaker**, SS Control, January 6.  
**William F. Smith**, Electrical, January 6.  
**John W. Scarborough**, Area Five Maintenance, January 7.  
**Everett G. Richardson**, Safety Department, January 7.  
**Homer F. Jenkins**, Buildings, Grounds and Maintenance Shops, January 7.

### 15 YEARS

**James W. Dowell Sr.**, General Fabrication Shop, January 3.  
**James B. McKinney**, General Shop Inspection, January 3.  
**Herbert A. Miller**, Stores Department, January 4.  
**Thomas G. Pappas**, Ceramics and Plastics, January 6.

### 10 YEARS

**Vernon J. Harber**, Research Services, December 26.  
**Raymond H. Gillespie**, Secondary Quality Control, December 28.  
**Earl A. Tweed**, Dimensional Inspection, December 28.  
**Ralph F. Underwood**, A-1 Shop, December 28.  
**Floyd McKamey**, Stores Department, December 28.  
**Stanley L. Jamruz**, Research Services, December 28.  
**J. C. Graves**, Dimensional Inspection, December 28.  
**Robert E. Scofield**, Research Services, December 29.

**Kenneth A. Bivens**, Graphite Shop, December 29.  
**Owen A. Hammonds**, Assembly Operations, January 3.  
**James C. Knisley**, Area Five Maintenance, January 4.  
**James W. Kyle**, Machine Maintenance, January 4.  
**Sherley H. Franks**, Research Services, January 4.  
**Howard W. Roberts**, Tool Grinding, January 4.  
**Troy M. Morgan**, Alpha Five Machine Shop, January 4.  
**George E. Duncan**, Statistical Services, January 4.  
**James F. Liafsha**, H-1 Foundry, January 4.  
**Fred H. Wray**, Research Services, January 4.  
**Orval A. Holeman**, Alloy Shop, January 4.  
**Dave S. Tipton Jr.**, Stores, January 4.  
**William B. Dennis**, Steam Plant, January 4.  
**John B. Cory Jr.**, Project Engineering, January 4.  
**Talmadge W. Sizemore**, Buildings, Grounds and Maintenance Shops, January 4.  
**Walter N. Lacy Jr.**, General Machine Shop, January 5.  
**Jack T. Hale**, Special Mechanical Production, January 5.  
**Silas R. Brown**, General Machine Shop, January 6.  
**Forrest A. Watson**, Beta Four Heavy Machine Shop, January 6.  
**Herman R. Parks**, Research Services, January 6.  
**Clarence F. Needham Jr.**, Beta Two, January 6.  
**Willis F. Miller**, Assembly Operations, January 6.  
**Charlie Bullock Jr.**, Research Services, January 6.  
**Andrew J. Harvey**, General Expediting and Auxiliary Services, January 6.

## 'He Ain't Heavy, He's My Brother!'

More than 46 years ago, or December 1, 1917, with a fund of less than one hundred dollars, Father Edward Flanagan founded Boys Town, the "City of Little Men," near Omaha, Nebraska. The new community was inhabited by, and administered for orphans or otherwise homeless boys. Thousands of citizens of this country have 'graduated' from Boys Town. Somehow the load of a heavy life has been lightened because somebody cared. The home is now administered by Father Nicholas H. Wegner.

Life may be a stage and all that jazz . . . but what goes on backstage is sometimes better than the drama!



Continued from Page 3

good looks after their mother Charlotte, it's told.

Production Machining tells that **J. W. Pryor**, M-Wing, is spending some of the Christmas Season down in the sorghum molasses country (Warren County, that is) doing some rabbit hunting and helping old Santa make the rounds.

**C. Allen** is taking the week and staying by his stocking . . . says he is expecting a scooter. **Bob Culton** and his wife are basking in the Florida sunshine. Must be nice to miss all these cold mornings.

Visiting Aunt Annie again over in Nashville is **Jo Walpool**.

**C. V. Taylor** has so much Christmas shopping to do, he takes off so that he can get it all done . . . **S. D. Ownby** is heading for Cleveland again . . . this time, in Tennessee, and down on the farm to get some of that old country ham for Christmas.

In E Wing several are vacationing, namely **R. E. Graham**, **H. Y. Rollen**, **W. B. Stephens**, and **G. D. Ray**.

**L. Y. Morrow** is in Lineville, Alabama . . . eating and hunting . . . hunting something else to eat.

### FINANCE AND MATERIALS

Microreproduction and Engineering Services folks gathered Thursday, December 19, at the home of **Evelyn Crouse** for their annual departmental party.

**Pat White** took off to Atlanta for the week-end looking for Santa . . . Santa arrived early for **T. A. Williams** who is sportin' a sportin' new car!

**Don McMurray** is vacationing

in Kingston . . . **Georgia Rader** is the proud owner of a Wildcat (that's a car, junior!)

Plant Records records that **Emma Puckett** is having as Christmas guest her sister Mrs. Roland Tillman from Murray, Kentucky.

Get well wishes to **Martha Helton** who has been in Oak Ridge Hospital.

Down in Shipping and Receiving **Bessie Hudson**, her husband and young 'un are flying via jet for a wonderful vacation in San Diego, California.

Said the young intern to the pretty young nurse . . . "Marry me, dear, you are too beautiful for wards."

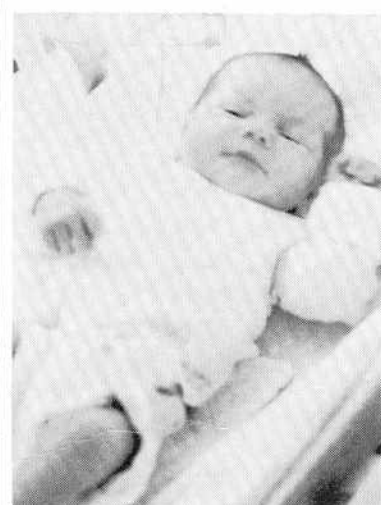
### TECHNICAL SERVICES



Horace T. Hundley

Dimensional Inspection's

**George E. Hudley** is showing off this latest picture of his latest pride and joy . . . **Horace Thomas Hudley**, born November 5, Baptist Hospital, Knoxville. Little Horace has two sisters and four other brothers at home. The Hundleys live at Route 2, Powell.



Angela Rose Wyatt

Down in Statistical Services, **Lloyd Wyatt** became papa again on December 14, as **Angela Rose Wyatt** appeared at the Oak Ridge Hospital, weighing seven pounds, 10 ounces. Nice Christmas present there, Lloyd!

And as **Tiny Tim** said, "God Bless Us Everyone!"

### Our Cover

The beautiful cover of this special edition of the Bulletin was designed by artists in the Technical Reports department. Thanks go to them for their cooperation and talented efforts. Cartoons for the dance picture elsewhere in the paper were sketched there also. Thanks, again.



WHO WAS THAT TWISTING ON A TABLE? is the word for Mechanical Operations' big Christmas party. Well, nobody, is talking and the Shadow certainly isn't giving out any information either. Here part

of the serious and happy crowd is seen ushering in another holiday season. The above table shots were made at random during a lull in the pretty music provided by Y-12er Dave Blessing. "A wonderful

party," was the consensus from those contacted who attended the early party. Mechanical Operations folks are always good for a good party.

## Chemical Society Will Hear Vandy's Pearson

Dinner Meeting Is At UT Faculty Club



D. E. Pearson

The East Tennessee Section of the American Chemical Society will meet Wednesday, January 8, in Knoxville. The dinner meeting is scheduled at the University of Tennessee Faculty Club, 1600 Melrose Avenue, at 6:30.

Featured speaker for the January meeting will be D. E. Pearson, chemistry professor at Vanderbilt University. Dr. Pearson received his BS degree from the University of Wisconsin and his PhD at the University of Illinois. He has been a research chemist with Pittsburgh Plate Glass Company, a technical aide with the Office of Scientific Research and Development, and a research chemist in anti-malarials at Massachusetts Institute of Technology. He has been at Vanderbilt since 1946. His research interests cover mechanisms of organic reactions and synthesis.

Dr. Pearson has chosen as his subject: "Aromatic Substitution and the Swamping Catalyst Effect." The question can be asked: Is it possible to change orientation in aromatic substitution? For example, can aniline be brominated to give meta-bromoaniline rather than the para-isomer? Past efforts to change orientation will be outlined, and the role of the swamping catalyst effect, developed at Vanderbilt, will be discussed in its relationship to past efforts to change orientation.

Dinner reservations for the ACS meeting should be made through Mrs. Georgia Troglan, UT Chemistry Department, telephone Knoxville 524-2981, extension 308. Reservations must be in by Monday, January 6.

Members and guests of the ACS are cordially invited to the January meeting.



MECHANICAL OPERATIONS TURNED OUT ALMOST EN MASSE for their big party held Saturday, December 7, at the Oak Terrace Ballroom. Seen entering the party above are, at left, Jim and Doris Dripps, and Maxine and Joe Jernigan. At right Eula Johnson, Bill Thomas and Zelma Laurendine stop for a friendly "hello" at the

door. In the lower photos, Fran and Hank Stoner get "pinned" officially. And at left are the famous Elvis-type quartet that is fast becoming a tradition. They are Jack Ewing, Phil Shipp, Bill Butterini, and Dale Lewis. Their parody on "Hello, Mudder," brought down the house.

## Nation's Yule Tree Stands In California

In 1926, a giant California redwood in King's Canyon Park was dedicated as the "Nation's Christmas Tree." Second largest in the world, the tree stands 267 feet from a 40 feet thick base. Each year nearby townspeople and visitors join in a holiday service and sing carols at the base of the sequoia, which was growing on the mountain slope when Jesus was born in Bethlehem, almost 20 centuries ago.

## SMALL DIFFERENCE

West Point head coach Paul Dietzel once said: "The only dif-



ference between a champ and a chump is 'u'."

## 16,000 Years Service Honor Rolls In '64

The new year of 1964 will see a host of Y-12ers move across important thresholds in their Union Carbide life, as 16,000 years of company service will be added just in the 20, 15 and 10 year anniversaries.

A total of 427 folks will be 20-yearers in 1964, 28 will mark 15-year anniversaries, and an odd number of 1,111 employees celebrate 10 year anniversaries.

## GOLD DIGGERS

The biggest gold nugget ever mined in the United States was a chunk weighing 195 pounds and valued at \$73,710.

## Christmas, New Years Are Official Holidays

Not that anybody needs reminding at this stage of the game, but Wednesday, December 25, and Wednesday, January 1 are official holidays for Y-12ers.

Only those employees whose presence is required for protection of the plant or continuous operation will report in, as employees will observe the final holiday of the old year, and the first one in the new.

## MODERN TIMES

One of the enigmas of modern society . . . a women will pay \$15 for a beautiful slip . . . then get upset when it shows.

# Y-12 Christmas Dance

6-11798 *thru*  
6-11805



**CHRISTMAS CAME EARLY** as far as Y-12's Christmas Dance was concerned. Held Friday, December 6, frolickers are seen above in the festive garb. The top photograph shows door prize winners. From left are Dottie Swanson, vocalist with the O. J. Bailey Orchestra,

who drew the winning numbers; and Roger F. Hibbs, plant superintendent. Prize winners going on from left are Mrs. Louise Ragsdale (husband, W. F., General Machine Shop), who took a fruit cake; A. T. Kleinsteuber, Oak Ridge National Laboratory employee, who won a

turkey; Mrs. Beatrice Sinclair (husband, H. A., Research Services), with her country ham; W. F. Ragsdale, turkey; and Mrs. Elsie Higgins (husband, Ted S., Chemical Department), who won a fruit cake. Holiday attendants at the early Christmas party were small in number.



THE DEARS AND DEER OF THE GABBY HAYES family are seen above. L. M. "Gabby", Press Area Beta Four, proudly displays his deer with his family. The animal field-dressed out to 183 pounds. That looks like quite a trophy room there, Gabby!

## Rebels Take Classic League First Half

### Three And One-Half Points Out In Front

The Rebels took the first half of the Classic Bowling League easily last week . . . a good three and one-half points out front. They blasted the Screwballs for three points. The other wins were three pointers, too, as the Wasps stung the Has Beens, the All-Stars beat the Smelters, the Markers took the Eightballs, the Cubs cuffed the Swingsters, the Tigers clawed the Playboys and the Bumpers bumped the Splinters. The Rippers-Wolves duel ended in a draw.

Leo Hemphill, Cubs, rolled high singles, with a 229 scratch, 274 handicap score. U. G. Riddle, Rebels, took high scratch series with a 584, while Harold Ratjen, Wasps, took handicap series, rolling a 687.

The Markers marked well on scratch scores with a 909 single, 2549 series total. The Rebels took handicap singles with 1031 and the All Stars had high handicap series with 2974.

First half standings follow:

Team	W	L
Rebels	40½	19½
Swingsters	37	23
Wasps	35	25
All Stars	33½	26½
Splinters	33	27
Rippers	33	27
Markers	33	27
Cubs	29	31
Has Beens	28	32
Screwballs	28	32
Wolves	28	32
Tigers	27	33
Smelters	26½	33½
Eightballs	23	37
Bumpers	23	37
Playboys	22½	37½

## Polyethylene Resin Will Be Increased

Union Carbide Corporation plans to increase its capacity for producing low-density polyethylene resins by 120 million pounds a year, according to a recent announcement from Birny Mason Jr., president. The additional capacity will be provided by expanding existing facilities at Texas City, Texas, and South Charleston, West Virginia, plants. The additions are scheduled to be completed on stream before the end of next year.

The primary uses for low-density polyethylene are in the manufacture of packaging films, injection-molded housewares, blow-molded bottles, wire and cable, and paper coatings.

## Y-12 Rebs Win Two Basketball Games

### Atoms Lose Close One To Independents

Y-12's Rebs clipped the Analytical Chemistry team in the Basketball League early last week, 38 to 30. John Pridgeon led the Rebs in scoring with 11. Mahaffey and Williams scored nine each. The game was won and lost at the free throw line. The Rebs kept about a 10 point lead . . . until the fourth quarter. Chemistry tied it up . . . but the Rebs made it through.

George King led the losers, tossing in 14 points.

Another Y-12 team, the Atoms, lost to the Independents 42 to 47. For three quarters this was a neck-and-neck battle. It was nip and tuck until the Atoms ran out of steam. Carlos Brooks led the losing Atoms with 13 . . . and Jim George clipped in 10 points. Goosby, as usual, led the Independents, firing 21 points through the basket.

### Fearless Five Win

Two ORNL teams collided for Monday's final game as the Fearless Five downed Cell Four, 68 to 19 in one of those nights when nothing goes right for the losing squad.

The only time the score was close was at the opening whistle when it stood zero to zero.

The losing team went an entire quarter without scoring.

Y-12's Rebs defeated Cell Four Wednesday 47 to 22. Don Mahaffey led the Rebs in scoring, tossing in 15 and Ron Williams scored 10. Bob Jolley scored eight points for the losing Cell Four group.

### Peons Lose Big

Y-12's Peons fell in action Wednesday also, to the Metals and Ceramics ORNL team, 72 to 46. The one-sided deal saw Jim Carter score 23 for the victors and Dan Halladay score 14 for the losers. Tom Verner also tossed in 12 for the losing combination.

League standings follow:

Team	W	L
Independents, ORNL	2	0
All Stars, ORGDP	1	0
Rebels, Y-12	2	1
Atoms, Y-12	1	1
Analytical Chemistry, ORNL	1	1
Fearless Five, ORNL	1	1
Peons, Y-12	0	2
Cell Four, ORINS	0	3

## Pistol League

### MATCH NO. 12

Firer	Scratch	H'cap
L. Shular	225	290.142
D. R. Alford	271	287.112
W. A. Less	221	289.466
R. Matheny	248	287.413
T. E. Hudson	177	282.368
V. D. Holt	209	283.466
C. V. Terry	202	286.330
G. W. Martin	248	281.790
E. Bailey	258	282.092
W. A. Gregor	168	284.268

All Y-12 pistoleers and would-be pistol shooters are invited to join the Y-12 Pistol Team. The 1964 League begins on January 2, 1964, at 7:30 p.m. Matches will be fired at Anderson County Gun Club, Clinton. For information, call W. A. Less, extension 7507.

cap with 237. L. M. McLaughlin, Dry Hides, rolled high series in handicap with 567.

League standings follow:

Team	W	L
Rusty Five	21	3
Turtles	17	7
Seven Sixties	14	10
Dry Hides	12	12
Rollmasters	12	12
Hi Balls	12	12
Outcasts	12	12
'66' Raiders	10	14
Beavers	5	19
Rollniks	5	19

## Big 5 Edge Upward In C Bowling Set

Only two points now separate leaders in the C League for Y-12 bowlers. The Big Five edged up another point by taking four from the Rodders. The league-leading Rounders took only three from the Five Roses. Other three point wins went to the Sunflowers over the Hookers, the Parbusters over the Screwballs, and the Lucky Strikes over the Strikers. Three and one-half points went to the Shud-A-Beens over the Hi Lifers.

C. R. Lively, Rounders, took single scratch highs, rolling a 225, and Fred Guttery, Screwballs, took his handicap single game with a 260. Elmer Hawk, Big Five, took series high in both categories, rolling 595 and 667.

The Rounders practically swept the board, rolling singles of 958 scratch and 1051 handicap. Their scratch series total was 2669. The Big Five took series handicap blasting 2954.

Team	W	L
Rounders	45	15
Big Five	43	17
Sunflowers	41	19
Shud-A-Beens	34½	25½
Parbusters	33	27
Hi Lifers	28½	31½
Strikers	27	33
Lucky Strikes	26	34
Hookers	25	35
Five Roses	22	38
Rodders	21	39
Screwballs	14	46

## Rusty Five Hot Again--Bush Lanes

### Scores Of 902, 1038 And 2558, 2966 High

The Rusty Five burned the Alleys up again last week in the Bush League for Y-12 bowlers. They slapped the Dry Hides for four points, posting themselves high on the boards too. They rolled singles of 902 scratch, 1038 handicap . . . and series of 2558 scratch, 2966 handicap.

The Turtles took four points also from the Rollmasters. Three point wins were taken by the '66' Raiders over the Outcasts, and the Rollniks over the Hi Balls. The Beavers-Seven Sixties match ended in a draw . . . both taking two.

Fred Fox, Rusty Five, took scratch honors with a 210 single, 567 series score. H. C. Crouch, Rusty Five, took singles in handi-



ANOTHER DEERSLAYER REPORTS in among Y-12ers, as F. L. Deal, A-2 Shop, displays the nimble animal he took on Thief Neck Island (Watts Bar Lake) on October 5. Deal brought the deer down with his trusty bow and arrow.

## Ghosts Cinch Crown In Mixed Bowling

### Clip Cool Cats By One-Half Point

The Ghosts took the crown in the first half of the Y-12 Mixed League among bowlers last week. They trimmed the Cool Cats for three points, and edged onto the throne by a half-point. But an "edge is good as a mile," or how does the old saying go?

The Goofers took the Pin Plasters for four points in the season's finales . . . and the Toppers topped the Phantoms and the Alley Cats overcame the Scrappers for three points.

Highmen and women of the week included Anne Rackley, Cool Cats, who swept the boards, femalewise, and captured a new scratch high of the year . . . a resounding 203 single . . . and a 249 handicap game! Her series of 489 scratch and 627 handicap were highs for the week also. W. B. Stephens, Goofers, took high single scratch honors with 209, and he shared high single handicap with Charlie Gillihan, Ghosts, with 232. Bob Hagood, Goofers, took scratch series with 535 and W. C. Smith, Alley Cats, took a 629 handicap series.

First half standings follow:

Team	W	L
Ghosts	41	15
Cool Cats	40½	15½
Goofers	33	23
Scrappers	25	31
Phantoms	23½	32½
Toppers	22	34
Alley Cats	20	36
Pin Plasters	19	37

## Badminton Action Due To Start In New Year

Y-12ers interested in playing badminton in the three plant competition to begin soon should register now with Recreation. The badminton contests will take place at Jefferson Junior High School. The night of the week has not been selected yet.

Anyone interested in participating in the badminton league should call Recreation, extension 7109, before January 10. Play shall begin shortly after that date.

No employee is required to take a chance on the job.

## E Bowling Champs Lose In Pin Play

The king-pins of the E Bowling League for Y-12ers, the Foursquares, dropped three points to the third-place Alley Bees last week. The Ten Pins also lost three to the Pintwisters. The Pinquins took four from the Cannon Balls.

N. Kuneman, Foursquares, took high singles, rolling a 234 scratch, 267 handicap game. B. Horne, also of the Foursquares, took high scratch series with 555, while Kuneman returned to the board to capture highs in handicap series with 644.

The Foursquares took high scratch scores, rolling 678 in singles and 1957 in series. The Alley Bees took handicap highs with 833 single and 2362 series tallies.

League standings follow:

Team	W	L
Foursquares	35	13
Ten Pins	29	19
Alley Bees	25	23
Pintwisters	21	27
Pinquins	18	30
Cannon Balls	16	32

## Eagles Win 2 Beavers Lose In Volleyball

Y-12's Eagles won two volleyball tilts last week from the ORNL Scrubs, 15-6 and 15-0. They dropped the second game, however, 5 to 15, as action picked up in the Carbide Volleyball League.

Y-12's Beavers won only one of their contests 15-4, defeating the Old Men, ORNL. They lost the first two 13-15 and 8-15.

Other action saw the ORNL Champs defeat the Six Pots, also from ORNL, three straight games, 15-3, 15-1 and 15-7.

League standings follow:

Team	W	L
Champs, ORNL	3	0
Old Men, ORNL	5	1
Eagles, Y-12	4	2
Set-Ups, ORNL	2	1
Beavers, Y-12	2	4
Six Pots, ORNL	1	5
Scrubs, ORNL	0	6

BULK RATE  
U. S. Postage  
**PAID**  
Oak Ridge, Tenn.  
Permit No. 71

UNION CARBIDE  
CORPORATION  
NUCLEAR DIVISION

Post Office Box Y  
Oak Ridge, Tennessee—37831

RETURN POSTAGE GUARANTEED



POSTMASTER: DO NOT FORWARD. IF ADDRESSEE HAS MOVED,  
RETURN TO SENDER IMMEDIATELY.



Edward A. Vineyard

## Son Honored By Boys Club

A nice Christmas present was brought home early recently as Edward A. Vineyard captured a Boys' Club trophy. Competing with young boys in the entire Knoxville area, Edward took first place in the vocational training work, specializing in woodwork and plastics.

Nine-year-old Edward is in the fourth grade at Belle Morris School. The parents live at 2026 Buffat Mill Road, Knoxville. They have two other children, Bobby, 13, who attends Whittle Springs Junior High School, and Edith, four, too young to attend school yet.

That's a nice gift to present your parents, Edward!

## Citric Juices Used To Prevent Darkening

Discoloration of such light-colored fruits as apples and bananas can be prevented by coating them with lemon, orange, pineapple or lime juice.



## A Christmas Prayer

Give us the faith of innocent children, that we may look forward with hope in our hearts to the dawn of happy tomorrows. Reawaken the thought that our most cherished desires will be realized, the thing closest to our hearts—that we may come to an appreciation of the limitless joys and bountiful rewards of Patience, Charity and Sacrifice. Above all, endow us with the spirit of courage, that we may face the perplexities of a troubled world without flinching, imbued with the child-like faith which envisions the beautiful and inspiring things of life . . . and restore the happy hours and experiences so many of us foolishly believe are lost forever. Give us faith in ourselves and faith in our fellow man . . . then, the treasures and beauties of life that make man happy will spring from an inexhaustible source. And at Christmas, when the hearts of the world swell in joyous celebration, let us cast aside the pretense of sturdy men and live, if only for a day, in the hope and joy we knew as children.

—Author unknown

Farewell, Fran! 6-11823 6-11824



A FAREWELL PARTY-BRIDAL SHOWER was held for Fran Willie (third from right) before her departure last week. Engineering girls sponsoring the fete are, from left, Lil Higgins, Betty Watkins, Betty Rose, Peggy Hardin, Jean Barnes, Dot Brown, Mildred Lister, Helen Long, the honoree, Clarise Cagle, and Joyce Williamson. Miss Willie will wed Morgan Ashley Ringo Jr., Saturday in Oak Ridge. The couple will reside in Florida.



HERE DINERS IN THE SHIFT SUPERINTENDENTS AND UTILITIES Divisions enjoy buffet-style dinner at the Country Club. The PSS and Utilities Divisions gathered early, as did many divisions, to observe the cheery holidays.



THE SHIFT SUPERINTENDENTS AND UTILITIES Division was different from other divisions this year. They gave

a buffet dinner, get-together at the Oak Ridge Country Club, Wednesday, December 11. Here the handsome

couples line up for 'shots' prior to the holiday feed. Both divisions were amply represented at the shindig.